GIGABIT ETHERNET TRANSCEIVER WITH ANALOG FRONT END

ABSTRACT OF THE DISCLOSURE

Circuitry to remove switches from signal paths in integrated circuit programmable gain attenuators. Programmable gain attenuators and programmable gain amplifiers commonly switch between signal levels using semi-conductor switches. Such switches may introduce non-linearities in the signal. By isolating the switches from the signal path linearity of the PGA can be improved.